(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 19 May 2005 (19.05.2005)

PCT

(10) International Publication Number WO 2005/045295 A1

(51) International Patent Classification7: F16L 1/16, 1/24

(21) International Application Number:

PCT/EP2004/009949

(22) International Filing Date:

7 September 2004 (07.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0326052.8

7 November 2003 (07.11.2003) GB

(71) Applicant and

(72) Inventor: BAGHERNEJAD, Massoud [GB/GB]; Flat 8, Hilton House, Amherst Road, London W13 8NF (GB).

(74) Agent: ROUSE PATENTS; Windsor House, Comwall Road, Harrogate HG1 2PW (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AL, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, BS, FL, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

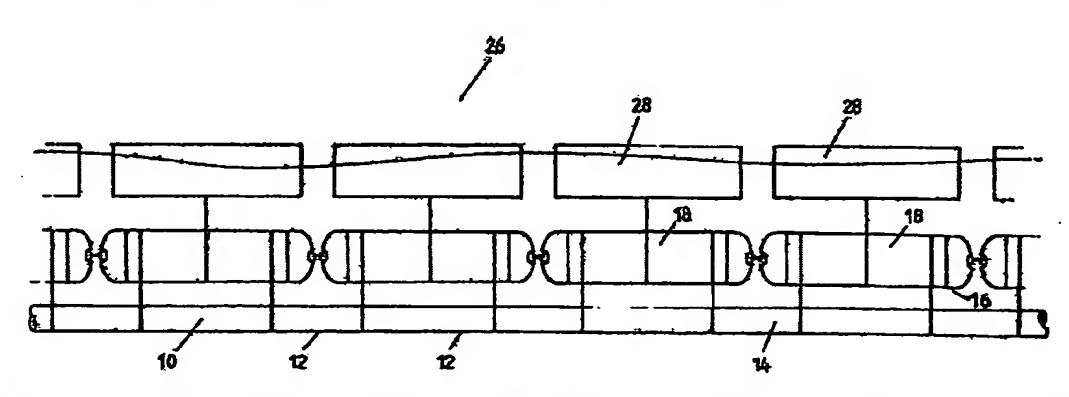
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR LAYING A PIPELINE



(57) Abstract: A method and apparatus for laying an underwater pipeline. The method includes the steps of constructing lengths of pipeline by endwise connection of a plurality of pipe segments (12) and securing bend restriction means (18) along the length of said lengths of pipeline. The bend restriction means (18) is arranged to prevent the lengths of pipeline from bending by more than a predetermined maximum amount. Flotation means (28) are secured to the lengths of pipeline such that the lengths of pipeline are held adjacent the surface of the ocean and the lengths of pipeline are towed to the desired location. Each length of pipeline is connected to an adjacent length of pipeline and the flotation means (28) are released from each length of pipeline so that the length of pipeline sinks to the ocean floor.